

Total Intended Award Amount: \$450,000**Total Approved Cost Share or Matching Amount:** \$0**Total Amount Obligated to Date:** \$81,885**Expenditure Limitation:** Not Applicable

Contingent on the availability of funds and scientific progress of the project, NSF expects to continue support at approximately the following level:

Fiscal Year	Increment Amount
2025	\$87,458
2026	\$90,762
2027	\$94,202
2028	\$95,693

PROJECT PERSONNEL

Principal Investigator:

Email: [REDACTED]

Organization:
PRESIDENT AND
FELLOWS OF HARVARD
COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official
(Primary Contact)
Name: Lynda Kummelt
Email: lkummelt@nsf.gov
Phone: (703) 292-7721

Awarding Official
Name: Lynda Kummelt
Email: lkummelt@nsf.gov

Managing Program Officer
Name: Jun Zhu
Email: jzhu@nsf.gov
Phone: (703) 292-4551

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 01/30/2023, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 22-586 Faculty Early Career Development Program.

BUDGET

A. Senior Personnel

Senior Personnel Count	1.00
Senior Personnel Calendar Months	1.80
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$24,308
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	1.00
Graduate Students Amount	\$15,594
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$39,902
C. Fringe Benefits	
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$45,371
D. Equipment	
Domestic	\$1,500
International	\$0
F. Participant Support Costs	

Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$0
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$7,126
<i>Total Other Direct Costs (G)</i>	\$7,126
H. Total Direct Costs (A Through G)	\$53,997
I. Indirect Costs*	\$27,888
J. Total Direct and Indirect Costs (H + I)	\$81,885
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$81,885
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	59.5000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2339524

Managing Division Abbreviation: IIS

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 02/15/2024

Amendment Number: 000

Proposal Number: 2339524

Amendment Description:

The National Science Foundation hereby awards a Continuing Grant for support of the project described in the proposal referenced above.

AWARD INFORMATION

Award Number (FAIN): 2339524

Award Instrument: Continuing Grant

Award Date: 02/15/2024

Award Period of Performance: Start Date: 02/15/2024 End Date: 01/31/2029

Project Title: CAREER: Geometric Deep Learning to Facilitate Algorithmic and Scientific Advances in Therapeutics

Managing Division Abbreviation: IIS

Research and Development Award: Yes

Funding Opportunity: NSF 22-586 Faculty Early Career Development Program

Assistance Listing Number(s) and Name(s): 47.070 Computer and Information Science and Engineering (Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$186,822
Total Intended Award Amount: \$566,128
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$186,822
Expenditure Limitation: Not Applicable

Contingent on the availability of funds and scientific progress of the project, NSF expects to continue support at approximately the following level:

Fiscal Year	Increment Amount
2025	\$141,532
2026	\$90,580
2027	\$90,580
2028	\$56,614

PROJECT PERSONNEL

Principal Investigator:

Email: [REDACTED]

Organization: PRESIDENT AND FELLOWS OF HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official
(Primary Contact)
Name: Tianay M. Robinson
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Awarding Official
Name: Tianay M. Robinson
Email: trobinso@nsf.gov

Managing Program Officer
Name: Christopher C Yang
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Phone: (703) 292-8111

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 01/30/2023, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 22-586 Faculty Early Career Development Program.

BUDGET

A. Senior Personnel

Senior Personnel Count	5.00
Senior Personnel Calendar Months	3.00
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$14,145
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	5.00
Graduate Students Amount	\$81,461
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
Total Salaries and Wages (A+B)	\$95,606
C. Fringe Benefits	
Total Salaries, Wages, Fringe Benefits (A + B + C)	\$2,998
Total Salaries, Wages, Fringe Benefits (A + B + C)	\$98,604
D. Equipment	
Domestic	\$0
International	\$577
International	\$1,072

F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$0
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$13,912
<i>Total Other Direct Costs (G)</i>	\$13,912
H. Total Direct Costs (A Through G)	\$114,165
I. Indirect Costs*	\$72,657
J. Total Direct and Indirect Costs (H + I)	\$186,822
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$186,822
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

The indirect cost rate(s) for this award is/are not available. These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2339621

Managing Division Abbreviation: DEB

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 05/31/2024

Amendment Number: 000

Proposal Number: 2339621

Amendment Description:

The National Science Foundation hereby awards a Continuing Grant for support of the project described in the proposal referenced above.

AWARD INFORMATION

Award Number (FAIN): 2339621

Award Instrument: Continuing Grant

Award Date: 05/31/2024

Award Period of Performance: Start Date: 06/01/2024 End Date: 05/31/2029

Project Title: CAREER: Microbial Mediation of Temperate Tree Responses to Climate Change

Managing Division Abbreviation: DEB

Research and Development Award: Yes

Funding Opportunity: NSF 22-586 Faculty Early Career Development Program

Assistance Listing Number(s) and Name(s): 47.074 Biological Sciences (Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$311,154

Total Intended Award Amount: \$1,198,253**Total Approved Cost Share or Matching Amount:** \$0**Total Amount Obligated to Date:** \$311,154**Expenditure Limitation:** Not Applicable

Contingent on the availability of funds and scientific progress of the project, NSF expects to continue support at approximately the following level:

Fiscal Year	Increment Amount
2025	\$202,934
2026	\$684,165

PROJECT PERSONNEL

Principal Investigator:



Email:

Organization: PRESIDENT
AND FELLOWS OF
HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official

(Primary Contact)

Name: Sharon D. Glivens**Email:** sglivens@nsf.gov**Phone:** (703) 292-7837

Awarding Official

Name: Vanessa L. Richardson**Email:** vlrichar@nsf.gov

Managing Program Officer

Name: Kirsten Schwarz**Email:** kschwarz@nsf.gov**Phone:** (703) 292-2416

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 05/20/2024, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 22-586 Faculty Early Career Development Program.

BUDGET

A. Senior Personnel	
Senior Personnel Count	1.00
Senior Personnel Calendar Months	1.00

Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$12,684
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	1.00
Other Professionals Calendar Months	12.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$48,000
Graduate Students	
Graduate Students Count	0.00
Graduate Students Amount	\$0
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$60,684
C. Fringe Benefits	
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$83,235
D. Equipment	
Domestic	\$5,295
International	\$0
F. Participant Support Costs	
Participant Support Costs Stipends	\$0

Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$43,585
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$52,000
<i>Total Other Direct Costs (G)</i>	\$95,585
H. Total Direct Costs (A Through G)	\$184,115
I. Indirect Costs*	\$127,039
J. Total Direct and Indirect Costs (H + I)	\$311,154
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$311,154
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2339913

Managing Division Abbreviation: DMR

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 01/02/2024

Amendment Number: 000

Proposal Number: 2339913

Amendment Description:

The National Science Foundation hereby awards a Continuing Grant for support of the project described in the proposal referenced above.

Funds provided for participant support may not be diverted by the awardee to other categories of expense without the prior written approval of the cognizant NSF Program Officer. Since participant support cost is not a normal account classification, the awardee organization must be able to separately identify participant support costs. It is highly recommended that separate accounts, sub-accounts, sub-task, or sub-ledgers be established to accumulate these costs. The awardee should have written policies and procedures to segregate participant support costs.

AWARD INFORMATION

Award Number (FAIN): 2339913

Award Instrument: Continuing Grant

Award Date: 01/02/2024

Award Period of Performance: Start Date: 01/15/2024 End Date: 12/31/2028

Project Title: CAREER: Epitaxial stabilization of non-perovskite oxide quantum materials

Managing Division Abbreviation: DMR

Research and Development Award: Yes

Funding Opportunity: NSF 22-586 Faculty Early Career Development Program

Assistance Listing Number(s) and Name(s): 47.049 Mathematical and Physical Sciences
(Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$138,414
Total Intended Award Amount: \$786,598
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$138,414
Expenditure Limitation: Not Applicable

Contingent on the availability of funds and scientific progress of the project, NSF expects to continue support at approximately the following level:

Fiscal Year	Increment Amount
2025	\$207,756
2026	\$190,109
2027	\$152,472
2028	\$97,847

PROJECT PERSONNEL

Principal Investigator: [REDACTED]
Email: [REDACTED] **Organization:** PRESIDENT AND FELLOWS OF HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official

(Primary Contact)

Name: Elizabeth Gebremedhin
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Awarding Official

Name: Elizabeth Gebremedhin
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Managing Program Officer

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Phone: (703) 292-4892

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 01/30/2023, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 22-586 Faculty Early Career Development Program.

BUDGET

A. Senior Personnel	
Senior Personnel Count	1.00
Senior Personnel Calendar Months	0.33
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$5,559
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	1.00
Graduate Students Amount	\$44,518
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$50,077
C. Fringe Benefits	
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$1,195
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$51,272
D. Equipment	
	\$0

E. Travel	
Domestic	\$2,500
International	\$0
F. Participant Support Costs	
Participant Support Costs Stipends	\$4,000
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	1.00
<i>Total Participant Costs (F)</i>	<i>\$4,000</i>
G. Other Direct Costs	
Materials Supplies	\$5,180
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$28,576
<i>Total Other Direct Costs (G)</i>	<i>\$33,756</i>
H. Total Direct Costs (A Through G)	\$91,528
I. Indirect Costs*	\$46,886
J. Total Direct and Indirect Costs (H + I)	\$138,414
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$138,414
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2401057

Managing Division Abbreviation: IOS

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 07/12/2024

Amendment Number: 000

Proposal Number: 2401057

Amendment Description:

The National Science Foundation hereby awards a Continuing Grant for support of the project described in the proposal referenced above as modified by revised budget dated 07/02/2024.

Funds provided for participant support may not be diverted by the awardee to other categories of expense without the prior written approval of the cognizant NSF Program Officer. Since participant support cost is not a normal account classification, the awardee organization must be able to separately identify participant support costs. It is highly recommended that separate accounts, sub-accounts, sub-task, or sub-ledgers be established to accumulate these costs. The awardee should have written policies and procedures to segregate participant support costs.

AWARD INFORMATION

Award Number (FAIN): 2401057

Award Instrument: Continuing Grant

Award Date: 07/12/2024

Award Period of Performance: Start Date: 07/15/2024 End Date: 06/30/2027

Project Title: Mechanisms for the establishment of polarity during whole-body regeneration

Managing Division Abbreviation: IOS

Research and Development Award: Yes

Funding Opportunity: NSF 23-547 Division of Integrative Organismal Systems Core Programs

Assistance Listing Number(s) and Name(s): 47.074 Biological Sciences (Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$400,000
Total Intended Award Amount: \$1,000,000
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$400,000
Expenditure Limitation: Not Applicable

Contingent on the availability of funds and scientific progress of the project, NSF expects to continue support at approximately the following level:

Fiscal Year	Increment Amount
2025	\$300,000
2026	\$300,000

PROJECT PERSONNEL

Principal Investigator:

Email: [REDACTED]

Organization: PRESIDENT AND FELLOWS OF HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official
(Primary Contact)
Name: Termia M. Millard
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Awarding Official
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Managing Program Officer
Name: Anna K. Allen
Email: akallen@nsf.gov
Phone: (703) 292-8011

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 05/20/2024, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 23-547 Division of Integrative Organismal Systems Core Programs.

BUDGET

A. Senior Personnel	
Senior Personnel Count	1.00

Senior Personnel Calendar Months	1.00
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$23,467
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	1.00
Post Doctoral Calendar Months	12.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$67,600
Other Professionals	
Other Professionals Count	1.00
Other Professionals Calendar Months	9.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$37,457
Graduate Students	
Graduate Students Count	0.00
Graduate Students Amount	\$0
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	
	\$128,524
C. Fringe Benefits	
	\$35,911
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	
	\$164,435
D. Equipment	
	\$0
E. Travel	
Domestic	\$1,100
International	\$0
F. Participant Support Costs	

Participant Support Costs Stipends	\$1,100
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$200
Total Number of Participants	5.00
<i>Total Participant Costs (F)</i>	\$1,300
G. Other Direct Costs	
Materials Supplies	\$29,673
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$40,709
<i>Total Other Direct Costs (G)</i>	\$70,382
H. Total Direct Costs (A Through G)	\$237,217
I. Indirect Costs*	\$162,783
J. Total Direct and Indirect Costs (H + I)	\$400,000
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$400,000
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2401390

Managing Division Abbreviation: ECCS

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 07/10/2024

Amendment Number: 000

Proposal Number: 2401390

Amendment Description:

The National Science Foundation hereby awards a Standard Grant for support of the project described in the proposal referenced above.

AWARD INFORMATION

Award Number (FAIN): 2401390

Award Instrument: Standard Grant

Award Date: 07/10/2024

Award Period of Performance: Start Date: 07/01/2024 End Date: 06/30/2027

Project Title: Collaborative Research: Stochastic Nonlinear Control and Learning via Spectral Dynamics Embedding

Managing Division Abbreviation: ECCS

Research and Development Award: Yes

Funding Opportunity: PD 18-7607 Energy, Power, Control, and Networks

Assistance Listing Number(s) and Name(s): 47.041 Engineering Grants (Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$300,000
Total Intended Award Amount: \$300,000
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$300,000
Expenditure Limitation: Not Applicable

PROJECT PERSONNEL

Principal Investigator:	Email:	Organization: PRESIDENT AND FELLOWS OF HARVARD COLLEGE
[REDACTED]	[REDACTED]	[REDACTED]

COLLABORATIVE INFORMATION

Proposal ID	Lead	PI Name	Organization
2401390	Y	[REDACTED]	Harvard College, President & Fellows of Harvard University
2401391	N	[REDACTED]	GA Tech Research Corporation, GA Institute of Technology

NSF CONTACT INFORMATION

Managing Grants Official (Primary Contact) Name: Malia Williams Email: malwilli@nsf.gov Phone: (703) 292-2290	Awarding Official Name: Willis Phan Email: wiphan@nsf.gov	Managing Program Officer Name: Anthony Kuh Email: akuh@nsf.gov Phone: (703) 292-4714
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GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 05/20/2024, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

BUDGET

A. Senior Personnel	
Senior Personnel Count	3.00
Senior Personnel Calendar Months	0.60
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$16,616
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	3.00
Graduate Students Amount	\$121,003
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	
	\$137,619
C. Fringe Benefits	
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	
	\$3,572
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	
	\$141,191
D. Equipment	
E. Travel	
Domestic	\$6,600

International	\$0
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$0
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$50,232
<i>Total Other Direct Costs (G)</i>	\$50,232
H. Total Direct Costs (A Through G)	\$198,023
I. Indirect Costs*	\$101,977
J. Total Direct and Indirect Costs (H + I)	\$300,000
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$300,000
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2401498

Managing Division Abbreviation: DMS

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 08/08/2024

Amendment Number: 000

Proposal Number: 2401498

Amendment Description:

The National Science Foundation hereby awards a Continuing Grant for support of the project described in the proposal referenced above as modified by revised budget dated 07/30/2024.

Fiscal Year 2024 and 2025 budgets have been combined in this award. It is still the grantees responsibility to submit an annual project report in accordance with the award terms and conditions.

AWARD INFORMATION

Award Number (FAIN): 2401498

Award Instrument: Continuing Grant

Award Date: 08/08/2024

Award Period of Performance: Start Date: 09/01/2024 End Date: 08/31/2027

Project Title: Birational Geometry, Hodge Theory and Singularities

Managing Division Abbreviation: DMS

Research and Development Award: Yes

Funding Opportunity: PD 20-1264 Algebra and Number Theory

Assistance Listing Number(s) and Name(s): 47.049 Mathematical and Physical Sciences
(Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$222,345
Total Intended Award Amount: \$335,000
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$222,345
Expenditure Limitation: Not Applicable

Contingent on the availability of funds and scientific progress of the project, NSF expects to continue support at approximately the following level:

Fiscal Year	Increment Amount
2026	\$112,655

PROJECT PERSONNEL

Principal Investigator: [REDACTED] **Email:** [REDACTED] **Organization:** PRESIDENT AND FELLOWS OF HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official
(Primary Contact)
Name: Lynda Kummelt
Email: lkummelt@nsf.gov
Phone: (703) 292-7721

Awarding Official
Name: Lynda Kummelt
Email: lkummelt@nsf.gov

Managing Program Officer
Name: James M. Douglass
Email: mdouglas@nsf.gov
Phone: (703) 292-2467

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 05/20/2024, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

BUDGET

A. Senior Personnel	
Senior Personnel Count	2.00
Senior Personnel Calendar Months	2.00
Senior Personnel Academic Months	0.00

Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$60,000
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	2.00
Graduate Students Amount	\$38,245
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	
	\$98,245
C. Fringe Benefits	
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	
	\$111,565
D. Equipment	
	\$0
E. Travel	
Domestic	\$10,000
International	\$10,000
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0

Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$0
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$0
<i>Total Other Direct Costs (G)</i>	\$0
H. Total Direct Costs (A Through G)	\$131,565
I. Indirect Costs*	\$90,780
J. Total Direct and Indirect Costs (H + I)	\$222,345
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$222,345
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2401907

Managing Division Abbreviation: CMMI

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 08/15/2024

Amendment Number: 000

Proposal Number: 2401907

Amendment Description:

The National Science Foundation hereby awards a Standard Grant for support of the project described in the proposal referenced above.

NSF anticipates holding joint NRI/FRR annual Principal Investigator (PI) meetings for research investigators, industrial partners, and sponsoring agency representatives. These meetings will be highlighted by technology demonstrations and progress reports, and will provide a forum for all to discuss best practices, concerns, and high-risk, high-return ideas and challenges pertinent to robots. All FRR PIs are welcomed and encouraged to participate in these meetings.

AWARD INFORMATION

Award Number (FAIN): 2401907

Award Instrument: Standard Grant

Award Date: 08/15/2024

Award Period of Performance: Start Date: 01/01/2025 End Date: 12/31/2027

Project Title: Collaborative Research: Climbing and Object Grasping Through Tunable Capillary Adhesion in an Insect-Scale Robot

Managing Division Abbreviation: CMMI

Research and Development Award: Yes

Funding Opportunity: PD 20-144Y Foundational Research in Robotics

Assistance Listing Number(s) and Name(s): 47.041 Engineering Grants (Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$325,497
Total Intended Award Amount: \$325,497
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$325,497
Expenditure Limitation: Not Applicable

PROJECT PERSONNEL

Principal Investigator: [REDACTED] **Email:** [REDACTED]
Organization: PRESIDENT AND FELLOWS OF HARVARD COLLEGE

COLLABORATIVE INFORMATION

Proposal ID	Lead	PI Name	Organization
2401906	Y	[REDACTED]	Massachusetts Institute of Technology
2401907	N	[REDACTED]	Harvard College, President & Fellows of Harvard University

NSF CONTACT INFORMATION

Managing Grants

Official (Primary Contact)
Name: Tamika Lloyd
Email: tlloyd@nsf.gov
Phone:

Awarding Official
Name: Willis Phan
Email: wiphan@nsf.gov

Managing Program Officer
Name: Jordan M. Berg
Email: jberg@nsf.gov
Phone: (703) 292-5365

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 05/20/2024, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

BUDGET

A. Senior Personnel	
Senior Personnel Count	3.00
Senior Personnel Calendar Months	0.30
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$9,263
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	3.00
Graduate Students Amount	\$139,307
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	
\$148,570	
C. Fringe Benefits	
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	
\$1,992	
\$150,562	
D. Equipment	
\$0	

E. Travel	
Domestic	\$0
International	\$0
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	<i>\$0</i>
G. Other Direct Costs	
Materials Supplies	\$6,000
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$60,907
<i>Total Other Direct Costs (G)</i>	<i>\$66,907</i>
H. Total Direct Costs (A Through G)	\$217,469
I. Indirect Costs*	\$108,028
J. Total Direct and Indirect Costs (H + I)	\$325,497
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$325,497
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2402464

Managing Division Abbreviation: EAR

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 07/22/2024

Amendment Number: 000

Proposal Number: 2402464

Amendment Description:

The National Science Foundation hereby awards a Standard Grant for support of the project described in the proposal referenced above .

AWARD INFORMATION

Award Number (FAIN): 2402464

Award Instrument: Standard Grant

Award Date: 07/22/2024

Award Period of Performance: Start Date: 09/01/2024 End Date: 08/31/2027

Project Title: Collaborative Research: PYRITE OXIDATION AND THE ENSUING TRIPLE O ISOTOPE COMPOSITION OF SULFATE

Managing Division Abbreviation: EAR

Research and Development Award: Yes

Funding Opportunity: NSF 22-578 Geobiology and Low-Temperature Geochemistry (GG)

Assistance Listing Number(s) and Name(s): 47.050 Geosciences (Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$395,871
Total Intended Award Amount: \$395,871
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$395,871
Expenditure Limitation: Not Applicable

PROJECT PERSONNEL

Principal Investigator: Email: [REDACTED]

Organization: PRESIDENT AND FELLOWS OF HARVARD COLLEGE

COLLABORATIVE INFORMATION

Proposal ID	Lead	PI Name	Organization
2402464	Y	[REDACTED]	Harvard College, President & Fellows of Harvard University
2402465	N	[REDACTED]	Montana State University

NSF CONTACT INFORMATION

Managing Grants

Official (Primary

Contact)

Name: Angela A. Turner
Email: aturner@nsf.gov
Phone: (703) 292-7524

Awarding Official

Name: Angela A. Turner
Email: aturner@nsf.gov

Managing Program Officer

Name: Alberto Perez-Huerta
Email: aperezhu@nsf.gov
Phone:

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 05/20/2024, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 22-578 Geobiology and Low-Temperature Geochemistry (GG).

BUDGET

A. Senior Personnel	
Senior Personnel Count	3.00
Senior Personnel Calendar Months	0.75
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$18,375
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	3.00
Other Professionals Calendar Months	3.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$22,551
Graduate Students	
Graduate Students Count	36.00
Graduate Students Amount	\$135,567
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	
	\$176,493
C. Fringe Benefits	
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	
	\$8,799
	\$185,292
D. Equipment	
	\$0

E. Travel	
Domestic	\$6,777
International	\$4,000
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$22,347
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$26,749
<i>Total Other Direct Costs (G)</i>	\$49,096
H. Total Direct Costs (A Through G)	\$245,165
I. Indirect Costs*	\$150,706
J. Total Direct and Indirect Costs (H + I)	\$395,871
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$395,871
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2406110

Managing Division Abbreviation: AST

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 08/29/2024

Amendment Number: 000

Proposal Number: 2406110

Amendment Description:

The National Science Foundation hereby awards a Standard Grant for support of the project described in the proposal referenced above.

AWARD INFORMATION

Award Number (FAIN): 2406110

Award Instrument: Standard Grant

Award Date: 08/29/2024

Award Period of Performance: Start Date: 09/01/2024 End Date: 08/31/2027

Project Title: CDS&E: Enabling Population Studies of Supernovae in the Era of Vera Rubin via Simulated-based Inference

Managing Division Abbreviation: AST

Research and Development Award: Yes

Funding Opportunity: NSF 22-624 Astronomy and Astrophysics Research Grants

Assistance Listing Number(s) and Name(s): 47.049 Mathematical and Physical Sciences
(Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$436,310
Total Intended Award Amount: \$436,310
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$436,310
Expenditure Limitation: Not Applicable

PROJECT PERSONNEL

Principal Investigator: [REDACTED] **Email:** [REDACTED]

Organization: PRESIDENT AND FELLOWS OF HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official

(Primary Contact)
Name: Elizabeth Gebremedhin
Email: egebreme@nsf.gov
Phone: (703) 292-4444

Awarding Official
Name: Aprile N Roberson
Email: aroberso@nsf.gov

Managing Program Officer
Name: Glen I Langston
Email: glangsto@nsf.gov
Phone: (703) 292-4937

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 05/20/2024, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 22-624 Astronomy and Astrophysics Research Grants.

BUDGET

A. Senior Personnel	
Senior Personnel Count	3.00
Senior Personnel Calendar Months	0.36
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$5,519

B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	3.00
Post Doctoral Calendar Months	30.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$183,512
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	0.00
Graduate Students Amount	\$0
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	
	\$189,031
C. Fringe Benefits	
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	
	\$40,641
<i>\$229,672</i>	
D. Equipment	
	\$0
E. Travel	
Domestic	\$15,000
International	\$0
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0

Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$2,500
Publication Costs	\$6,000
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$5,000
<i>Total Other Direct Costs (G)</i>	\$13,500
H. Total Direct Costs (A Through G)	\$258,172
I. Indirect Costs*	\$178,138
J. Total Direct and Indirect Costs (H + I)	\$436,310
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$436,310
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2406905

Managing Division Abbreviation: DMS

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 08/07/2024

Amendment Number: 000

Proposal Number: 2406905

Amendment Description:

The National Science Foundation hereby awards a Continuing Grant for support of the project described in the proposal referenced above as modified by revised budget dated 07/11/2024.

Fiscal Year 2024 and 2025 budgets have been combined in this award. It is still the grantees responsibility to submit an annual project report in accordance with the award terms and conditions.

AWARD INFORMATION

Award Number (FAIN): 2406905

Award Instrument: Continuing Grant

Award Date: 08/07/2024

Award Period of Performance: Start Date: 08/15/2024 End Date: 07/31/2027

Project Title: Towards Geometry-Informed Machine Learning: A Comprehensive Framework for Recognizing and Leveraging Heterogeneous Geometric Structure in Data

Managing Division Abbreviation: DMS

Research and Development Award: Yes

Funding Opportunity: PD 16-1266 Applied Mathematics

Assistance Listing Number(s) and Name(s): 47.049 Mathematical and Physical Sciences
(Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$120,000
Total Intended Award Amount: \$180,000
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$120,000
Expenditure Limitation: Not Applicable

Contingent on the availability of funds and scientific progress of the project, NSF expects to continue support at approximately the following level:

Fiscal Year	Increment Amount
2026	\$60,000

PROJECT PERSONNEL

Principal Investigator: [REDACTED]
Email: [REDACTED] **Organization:** PRESIDENT AND FELLOWS OF HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official
(Primary Contact)
Name: Lynda Kummelt
Email: lkummelt@nsf.gov
Phone: (703) 292-7721

Awarding Official
Name: Lynda Kummelt
Email: lkummelt@nsf.gov

Managing Program Officer
Name: Stacey Levine
Email: slevine@nsf.gov
Phone: (703) 292-2948

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 05/20/2024, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

BUDGET

A. Senior Personnel	
Senior Personnel Count	2.00
Senior Personnel Calendar Months	0.50
Senior Personnel Academic Months	0.00

Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$9,480
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	2.00
Graduate Students Amount	\$44,569
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$54,049
C. Fringe Benefits	
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$56,153
D. Equipment	
Domestic	\$4,000
International	\$0
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0

Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$0
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$18,341
<i>Total Other Direct Costs (G)</i>	\$18,341
H. Total Direct Costs (A Through G)	\$78,494
I. Indirect Costs*	\$41,506
J. Total Direct and Indirect Costs (H + I)	\$120,000
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$120,000
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

The indirect cost rate(s) for this award is/are not available. These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2407215

Managing Division Abbreviation: AST

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 08/05/2024

Amendment Number: 000

Proposal Number: 2407215

Amendment Description:

The National Science Foundation hereby awards a Standard Grant for support of the project described in the proposal referenced above.

AWARD INFORMATION

Award Number (FAIN): 2407215

Award Instrument: Standard Grant

Award Date: 08/05/2024

Award Period of Performance: Start Date: 08/15/2024 End Date: 07/31/2027

Project Title: SMA-SPEC: A Legacy Spectral Line Survey of Protoplanetary Disks

Managing Division Abbreviation: AST

Research and Development Award: Yes

Funding Opportunity: NSF 22-624 Astronomy and Astrophysics Research Grants

Assistance Listing Number(s) and Name(s): 47.049 Mathematical and Physical Sciences
(Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$522,928

Total Intended Award Amount: \$522,928
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$522,928
Expenditure Limitation: Not Applicable

PROJECT PERSONNEL

Principal Investigator: [REDACTED] **Email:** [REDACTED]
Organization: PRESIDENT AND FELLOWS OF HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official
(Primary Contact)
Name: Elizabeth Gebremedhin
Email: egebreme@nsf.gov
Phone: (703) 292-4444

Awarding Official
Name: Elizabeth Gebremedhin
Email: egebreme@nsf.gov

Managing Program Officer
Name: Jacqueline Keane
Email: jkeane@nsf.gov
Phone: (703) 292-8123

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 05/20/2024, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 22-624 Astronomy and Astrophysics Research Grants.

BUDGET

A. Senior Personnel	
Senior Personnel Count	3.00
Senior Personnel Calendar Months	3.00
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$95,590
B. Other Personnel	

Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	3.00
Graduate Students Amount	\$141,033
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$236,623
C. Fringe Benefits	
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$257,175
D. Equipment	
Domestic	\$6,936
International	\$0
E. Travel	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00

<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$0
Publication Costs	\$8,100
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$62,892
<i>Total Other Direct Costs (G)</i>	\$70,992
H. Total Direct Costs (A Through G)	\$335,103
I. Indirect Costs*	\$187,825
J. Total Direct and Indirect Costs (H + I)	\$522,928
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$522,928
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2407727

Managing Division

Abbreviation: ECCS

Amendment Number: 001

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: Other Admin No Fund Actions

Amendment Date: 07/01/2024

Amendment Number: 001

Proposal Number: Not Applicable

Amendment Description:

The purpose of this amendment is to:

- Change the project title to read NSF-SNSF: Lithium niobate based terahertz systems: fundamentals and applications..

Except as modified by this amendment, the award conditions remain unchanged.

PROJECT PERSONNEL

Principal Investigator:

Email: [REDACTED]

Organization: PRESIDENT AND FELLOWS OF HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official

(Primary Contact)

Name: Malia Williams

Email: malwilli@nsf.gov

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Awarding Official

Name: Malia Williams

Email: malwilli@nsf.gov

Managing Program Officer

Name: Dominique M. Dagenais

Email: ddagenai@nsf.gov

Phone: (703) 292-2980

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2407727

Managing Division Abbreviation: ECCS

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 06/13/2024

Amendment Number: 000

Proposal Number: 2407727

Amendment Description:

The National Science Foundation hereby awards a Standard Grant for support of the project described in the proposal referenced above.

AWARD INFORMATION

Award Number (FAIN): 2407727

Award Instrument: Standard Grant

Award Date: 06/13/2024

Award Period of Performance: Start Date: 07/01/2024 End Date: 06/30/2027

Project Title: NSF-SNSF. Lithium niobate based terahertz systems: fundamentals and applications.

Managing Division Abbreviation: ECCS

Research and Development Award: Yes

Funding Opportunity: PD 18-1517 Electronics, Photonics and Magnetic Devices

Assistance Listing Number(s) and Name(s): 47.041 Engineering Grants (Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$450,000

Total Intended Award Amount: \$450,000
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$450,000
Expenditure Limitation: Not Applicable

PROJECT PERSONNEL

Principal Investigator: [REDACTED] **Email:** [REDACTED] **Organization:** PRESIDENT AND FELLOWS OF HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official
(Primary Contact)
Name: Malia Williams
Email: malwilli@nsf.gov
Phone: (703) 292-2290

Awarding Official
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Managing Program Officer
Name: Dominique M. Dagenais
Email: ddagenai@nsf.gov
Phone: (703) 292-2980

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 05/20/2024, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

BUDGET

A. Senior Personnel	
Senior Personnel Count	3.00
Senior Personnel Calendar Months	0.00
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$0
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00

Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	3.00
Graduate Students Amount	\$115,241
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$115,241
C. Fringe Benefits	\$0
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$115,241
D. Equipment	\$75,000
E. Travel	
Domestic	\$0
International	\$15,000
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	

Materials Supplies	\$16,144
Publication Costs	\$15,000
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$81,559
<i>Total Other Direct Costs (G)</i>	\$112,703
H. Total Direct Costs (A Through G)	\$317,944
I. Indirect Costs*	\$132,056
J. Total Direct and Indirect Costs (H + I)	\$450,000
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$450,000
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
Modified Total Direct Costs	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2407922

Managing Division Abbreviation: AST

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 08/30/2024

Amendment Number: 000

Proposal Number: 2407922

Amendment Description:

The National Science Foundation hereby awards a Standard Grant for support of the project described in the proposal referenced above.

AWARD INFORMATION

Award Number (FAIN): 2407922

Award Instrument: Standard Grant

Award Date: 08/30/2024

Award Period of Performance: Start Date: 09/01/2024 End Date: 08/31/2028

Project Title: Collaborative Research: New Windows on the Dynamic Universe with the Vera C. Rubin Observatory, the InterPlanetary Network, and the International Gravitational Wave Network

Managing Division Abbreviation: AST

Research and Development Award: Yes

Funding Opportunity: NSF 22-624 Astronomy and Astrophysics Research Grants

Assistance Listing Number(s) and Name(s): 47.049 Mathematical and Physical Sciences
(Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$484,024
Total Intended Award Amount: \$484,024
Total Approved Cost Share or Matching Amount: \$0
Total Amount Obligated to Date: \$484,024
Expenditure Limitation: Not Applicable

PROJECT PERSONNEL

Principal Investigator: [REDACTED] **Email:** [REDACTED] **Organization:** PRESIDENT AND FELLOWS OF HARVARD COLLEGE

COLLABORATIVE INFORMATION

Proposal ID	Lead	PI Name	Organization
2407921	Y	[REDACTED]	Louisiana State University
2407922	N	[REDACTED]	Harvard College, President & Fellows of Harvard University
2407923	N	[REDACTED]	University of Minnesota-Twin Cities
2407924	N	[REDACTED]	University of Maryland

NSF CONTACT INFORMATION

Managing Grants Official (Primary Contact)
Name: Elizabeth Gebremedhin
Email: egebreme@nsf.gov
Phone: (703) 292-4444

Awarding Official
Name: Elizabeth Gebremedhin
Email: egebreme@nsf.gov

Managing Program Officer
Name: Martin D. Still
Email: mstill@nsf.gov
Phone: (703) 292-4290

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended

(42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 05/20/2024, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 22-624 Astronomy and Astrophysics Research Grants.

BUDGET

A. Senior Personnel	
Senior Personnel Count	4.00
Senior Personnel Calendar Months	4.00
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$62,562
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	4.00
Graduate Students Amount	\$154,204
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0

Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$216,766
C. Fringe Benefits	\$13,451
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$230,217
D. Equipment	\$0
E. Travel	
Domestic	\$20,000
International	\$3,000
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$0
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	0.00
<i>Total Participant Costs (F)</i>	\$0
G. Other Direct Costs	
Materials Supplies	\$2,500
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$51,862
<i>Total Other Direct Costs (G)</i>	\$54,362
H. Total Direct Costs (A Through G)	\$307,579
I. Indirect Costs*	\$176,445
J. Total Direct and Indirect Costs (H + I)	\$484,024
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$484,024
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MDTC	69.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2408960

Managing Division Abbreviation: DMS

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: New Project

Amendment Date: 05/14/2024

Amendment Number: 000

Proposal Number: 2408960

Amendment Description:

The National Science Foundation hereby awards a Standard Grant for support of the project described in the proposal referenced above.

The "Administration of NSF Conference or Group Travel Award Grant Conditions (FL 26)" in effect the date of this amendment are applicable. The FL 26 special award conditions can be found at:
https://www.nsf.gov/awards/managing/special_conditions.jsp.

Funds provided for participant support may not be diverted by the awardee to other categories of expense without the prior written approval of the cognizant NSF Program Officer. Since participant support cost is not a normal account classification, the awardee organization must be able to separately identify participant support costs. It is highly recommended that separate accounts, sub-accounts, sub-task, or sub-ledgers be established to accumulate these costs. The awardee should have written policies and procedures to segregate participant support costs.

Costs of entertainment, amusement, diversion and social activities, and any costs directly associated with such activities (such as meals, lodging, rentals, transportation and gratuities) are unallowable.

When certain meals are an integral and necessary part of a conference or meeting (i.e., working meals where business is transacted), grant funds may be used for such meals. Grant funds may also be used to furnish a reasonable amount of coffee or soft drinks for conference or meeting participants and attendees during coffee breaks.

No NSF funds may be spent on meals or coffee breaks for intramural meetings of an organization or any of its components, including, but not limited to, laboratories, departments and centers.

AWARD INFORMATION

Award Number (FAIN): 2408960

Award Instrument: Standard Grant

Award Date: 05/14/2024

Award Period of Performance: Start Date: 06/01/2024 End Date: 11/30/2025

Project Title: Conference: A Celebration of Algebraic Combinatorics

Managing Division Abbreviation: DMS

Research and Development Award: Yes

Funding Opportunity: NSF 21-541 Conferences and Workshops in the Mathematical Sciences

Assistance Listing Number(s) and Name(s): 47.049 Mathematical and Physical Sciences

(Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$49,500

Total Intended Award Amount: \$49,500

Total Approved Cost Share or Matching Amount: \$0

Total Amount Obligated to Date: \$49,500

Expenditure Limitation: Not Applicable

PROJECT PERSONNEL

Principal Investigator:

Email: [REDACTED]

Organization: PRESIDENT AND FELLOWS OF HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official

(Primary Contact)

Name: Lynda Kummelt

Email: lkummelt@nsf.gov

Phone: (703) 292-7721

Awarding Official

Name: Lynda Kummelt

Email: lkummelt@nsf.gov

Managing Program Officer

Name: Stefaan Guido De

Winter

Email: sgdewint@nsf.gov

Phone: (703) 292-2599

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 01/30/2023, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 21-541 Conferences and Workshops in the Mathematical Sciences.

BUDGET

A. Senior Personnel	
Senior Personnel Count	1.00
Senior Personnel Calendar Months	0.00
Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$0
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	0.00
Graduate Students Amount	\$0
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	
\$0	
C. Fringe Benefits	
\$0	

Total Salaries, Wages, Fringe Benefits (A + B + C)	\$0
D. Equipment	\$0
E. Travel	
Domestic	\$17,000
International	\$8,000
F. Participant Support Costs	
Participant Support Costs Stipends	\$0
Participant Support Costs Travel	\$16,000
Participant Support Costs Subsistence	\$0
Participant Support Costs Other	\$0
Total Number of Participants	20.00
<i>Total Participant Costs (F)</i>	\$16,000
G. Other Direct Costs	
Materials Supplies	\$0
Publication Costs	\$0
Consultant Services	\$0
Computer Services	\$0
Subawards	\$0
Other	\$0
<i>Total Other Direct Costs (G)</i>	\$0
H. Total Direct Costs (A Through G)	\$41,000
I. Indirect Costs*	\$8,500
J. Total Direct and Indirect Costs (H + I)	\$49,500
K. Fees	\$0
L. Total Amount of Request (J) OR (J + K)	\$49,500
M. Cost Sharing Proposed Level	\$0

*Indirect Cost Rates

Item Name	Indirect Cost Rate
MTDC	34.0000%

These rates are at the time of award and are based upon the budget submitted to the NSF. It does not include any out-year adjustments. The NSF will not modify awards simply to correct indirect cost rates cited in the award notice. See the Proposal & Award Policies & Procedures Guide (PAPPG) Chapter X.A.3.a. for guidance on re-budgeting authority.

NATIONAL SCIENCE FOUNDATION

Award Notice

Award Number (FAIN): 2409404

Managing Division Abbreviation: PHY

Amendment Number: 000

RECIPIENT INFORMATION

Recipient (Legal Business Name): PRESIDENT AND FELLOWS OF HARVARD COLLEGE

Recipient Address: 1033 MASSACHUSETTS AVE STE 3 CAMBRIDGE, MA 02138-5366

Official Recipient Email Address: [REDACTED]

Unique Entity Identifier (UEI): LN53LCFJFL45

AMENDMENT INFORMATION

Amendment Type: Renewal

Amendment Date: 07/15/2024

Amendment Number: 000

Proposal Number: 2409404

Amendment Description:

The National Science Foundation hereby awards a Continuing Grant for support of the project described in the proposal referenced above as modified by revised budget dated 06/07/2024.

AWARD INFORMATION

Award Number (FAIN): 2409404

Award Instrument: Continuing Grant

Award Date: 07/15/2024

Award Period of Performance: Start Date: 09/01/2024 End Date: 08/31/2027

Project Title: Quantum Simulation and Collisions with Ultracold Triatomic Molecules

Managing Division Abbreviation: PHY

Research and Development Award: Yes

Funding Opportunity: NSF 23-615 Division of Physics: Investigator-Initiated Research Projects

Assistance Listing Number(s) and Name(s): 47.049 Mathematical and Physical Sciences
(Predominant source of funding for SEFA reporting)

FUNDING INFORMATION

Amount Obligated by this Amendment: \$366,058

Total Intended Award Amount: \$700,000**Total Approved Cost Share or Matching Amount:** \$0**Total Amount Obligated to Date:** \$366,058**Expenditure Limitation:** Not Applicable

Contingent on the availability of funds and scientific progress of the project, NSF expects to continue support at approximately the following level:

Fiscal Year	Increment Amount
2025	\$165,819
2026	\$168,123

PROJECT PERSONNEL

Principal Investigator: [REDACTED]

Email: [REDACTED]

Organization: PRESIDENT
AND FELLOWS OF
HARVARD COLLEGE

NSF CONTACT INFORMATION

Managing Grants Official

(Primary Contact)

Name: Pamela V. Conyers**Email:** pconyers@nsf.gov**Phone:** (703) 292-5329**Awarding Official****Name:** Pamela V. Conyers**Email:** pconyers@nsf.gov**Managing Program Officer****Name:** Mark Kevin Beck**Email:** mkbeck@nsf.gov**Phone:** (703) 292-2983

GENERAL TERMS AND CONDITIONS

This is awarded pursuant to the authority of the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-75) and is subject to Research Terms and Conditions (RTCs) dated 11/12/2020, and NSF Agency Specific Requirements, dated 05/20/2024, available at <https://www.nsf.gov/awards/managing/rtc.jsp>.

This institution is a signatory to the Federal Demonstration Partnership (FDP) Phase VI Agreement which requires active institutional participation in new or ongoing FDP demonstrations and pilots.

This award is made in accordance with the provisions of NSF Solicitation: NSF 23-615 Division of Physics: Investigator-Initiated Research Projects.

BUDGET

A. Senior Personnel	
Senior Personnel Count	1.00
Senior Personnel Calendar Months	0.00

Senior Personnel Academic Months	0.00
Senior Personnel Summer Months	0.00
Senior Personnel Amount	\$0
B. Other Personnel	
Post Doctoral Scholars	
Post Doctoral Count	0.00
Post Doctoral Calendar Months	0.00
Post Doctoral Academic Months	0.00
Post Doctoral Summer Months	0.00
Post Doctoral Amount	\$0
Other Professionals	
Other Professionals Count	0.00
Other Professionals Calendar Months	0.00
Other Professionals Academic Months	0.00
Other Professionals Summer Months	0.00
Other Professionals Amount	\$0
Graduate Students	
Graduate Students Count	2.00
Graduate Students Amount	\$73,990
Undergraduate Students	
Undergraduate Students Count	0.00
Undergraduate Students Amount	\$0
Secretarial - Clerical	
Secretarial - Clerical Count	0.00
Secretarial - Clerical Amount	\$0
Other	
Other Count	0.00
Other Amount	\$0
<i>Total Salaries and Wages (A+B)</i>	\$73,990
C. Fringe Benefits	
<i>Total Salaries, Wages, Fringe Benefits (A + B + C)</i>	\$73,990
D. Equipment	
Domestic	\$0
International	\$0
E. Travel	
Participant Support Costs Stipends	\$0
F. Participant Support Costs	